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**Europäisches  
Patentamt**

Zweigstelle  
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abteilung

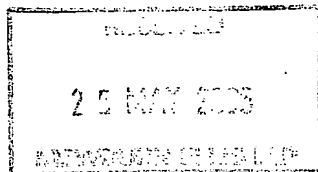
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Anmeldung Nr./Application No./Demande n°/Patent Nr./Patent No./Brevet n°.  
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Anmelder/Applicant/Demandeur/Patentinhaber/Proprietor/Titulaire  
Hitachi, Ltd.

## COMMUNICATION

The European Patent Office herewith transmits as an enclosure the European search report for the above-mentioned European patent application.

If applicable, copies of the documents cited in the European search report are attached.

☒ Additional set(s) of copies of the documents cited in the European search report is (are) enclosed as well.

The following specifications given by the applicant have been approved by the Search Division:

☒ abstract

☒ title

☐ The abstract was modified by the Search Division and the definitive text is attached to this communication.

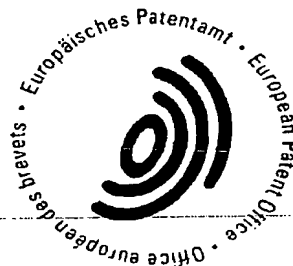
The following figure will be published together with the abstract:

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## REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.





DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.7)
A	EP 1 094 386 A (HITACHI, LTD) 25 April 2001 (2001-04-25) * the whole document *	1-11	H05K7/14
A	PATENT ABSTRACTS OF JAPAN vol. 1997, no. 04, 30 April 1997 (1997-04-30) & JP 08 320768 A (HITACHI LTD), 3 December 1996 (1996-12-03) * abstract *	1-11	
A	PATENT ABSTRACTS OF JAPAN vol. 1996, no. 04, 30 April 1996 (1996-04-30) & JP 07 319626 A (MITSUBISHI ELECTRIC CORP), 8 December 1995 (1995-12-08) * the whole document *	1-11	
A	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 06, 31 July 1995 (1995-07-31) & JP 07 066568 A (FUJITSU DENSO LTD), 10 March 1995 (1995-03-10) * abstract *	1-11	TECHNICAL FIELDS SEARCHED (Int.Cl.7) H05K G06F
A	PATENT ABSTRACTS OF JAPAN vol. 1998, no. 04, 31 March 1998 (1998-03-31) & JP 09 321101 A (TOKYO ELECTRON LTD), 12 December 1997 (1997-12-12) * abstract *	1-11	
A	US 5 128 855 A (HILBER ET AL) 7 July 1992 (1992-07-07) * column 45, line 22 - column 48, line 22; figures 30-34 *	1-11	
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2	Place of search Munich	Date of completion of the search 17 May 2005	Examiner Debre, A
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			



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<div>X : particularly relevant if taken alone</div> <div>Y : particularly relevant if combined with another document of the same category</div> <div>A : technological background</div> <div>O : non-written disclosure</div> <div>P : intermediate document</div> <div>T : theory or principle underlying the invention</div> <div>E : earlier patent document, but published on, or after the filing date</div> <div>D : document cited in the application</div> <div>L : document cited for other reasons</div> <div>&amp; : member of the same patent family, corresponding document</div>			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT  
ON EUROPEAN PATENT APPLICATION NO.**

EP 04 25 4784

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.  
The members are as contained in the European Patent Office EDP file on  
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